

Date: Wednesday, 18/03/2009 7:46:37 AM
 User: Melanie Fauteux

Process Sheet

Customer : CU-DAR001 Dart Helicopters Services	Drawing Name : STEP WELDMENT
Job Number : 46552	
Estimate Number : 12577	
P.O. Number :	Part Number : D3562042
This Issue : 18/03/2009 S.O. No. :	Drawing Number : D3562 REV E
Prsht Rev. : NC	Project Number : N/A
First Issue : / / Type : LARGE FAB ASSY	Drawing Revision : E
Previous Run : 46182	Material :
Written By :	Due Date : 25/03/2009 Qty: 4 Um: Each
Checked & Approved By : <u>MF 09-03-18</u>	
Comment :	
Est Rev:A New Issue 06-11-09 JLM	
Est rev B ECN 987 07.10.09 EC verified by: DD	
Est Rev:C ECN1048 07-12-18 DD verified by: EC	
Est Rev:D 08-07-28 add chemical conversion coat DD	
verified by:EC	
Est Rev:E 09-02-27 (seq13) QC9 to QC10 DD verified by:EC	

Additional Product

Job Number:



Seq. #:	Machine Or Operation:	Description :
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1.0	D2622120C	Step Extrusion
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Comment: Qty.: 1.0000 Each(s)/Unit Total: 4.0000 Each(s)

Qty	Part #	Description	Batch:
1	D2622-120C	Extrusion	B44064

Check Material for any Dents or Defects

SAD 09-03-18

4

2.0	LARGE FAB 1	LARGE FABRICATION RESOURCE 1
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**Comment:** LARGE FABRICATION RESOURCE 1

1-Cut D2622 extrusion as per Dwg D3562

2-Deburr and bevel ends for welding

SAD 09-03-18

4

3.0	QC5	INSPECT WORK TO CURRENT STEP
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**Comment:** INSPECT WORK TO CURRENT STEP

09/03/18 (4)

W/O:		WORK ORDER CHANGES						
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Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

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DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

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Part Number: D3562042

Job Number:



Seq. #:

Machine Or Operation:

Description :

4.0

HAND FINISHING1

HAND FINISHING RESOURCE #1



Comment: HAND FINISHING RESOURCE #1

Chemical Conversion Coat as per QSI 005 4.1

SAD 09-03-18 @

5.0

QC3

INSPECT POWDER COAT/CHEMICAL CONVERSION



Comment: INSPECT POWDER COAT/CHEMICAL CONVERSION

SK 09-08-19

6.0

D3560042

Arm Weldment



Comment: Qty.: 1.0000 Each(s)/Unit Total: 4.0000 Each(s)

ARM WELDMENT

Batch: 344472

SK 09-08-19 4

7.0

D3560044

Arm Weldment



Comment: Qty.: 1.0000 Each(s)/Unit Total: 4.0000 Each(s)

ARM WELDMENT

Batch: 346403

SK 09-03-19 4

8.0

MS20600AD4W5

Blind Rivet



Comment: Qty.: 32.0000 Each(s)/Unit Total: 128.0000 Each(s)

Blind Rivet

batch: M110523

SK 09-03-19 4

9.0

SMALL FAB 1

SMALL & MEDIUM FAB RESOURCE 1



Comment: SMALL & MEDIUM FAB RESOURCE 1

1- Drill Rivet holes as per dwg D3562. Touch up alodine

2- Rivet legs using Magnabond as per dwg D3562.

*****Ensure to wipe off any excess magnabond *****

A/R Magnabond 6398 Batch: M108966 M109900

SK 09-03-19 4
SK 09-03-19 4
SK 09-03-19 4

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Drawing Name: STEP WELDMENT

Job Number: 46552

Part Number: D3562042

Job Number:



Seq. #:

Machine Or Operation:

Description :

10.0

QC5

INSPECT WORK TO CURRENT STEP



Comment: INSPECT WORK TO CURRENT STEP

08/03/25 (4 R/H)

11.0

D2734

Step End Plate



Comment: Qty.: 2.0000 Each(s)/Unit Total: 8.0000 Each(s)

Pick:

Qty Part Number

Description Batch

2 D2734

End Cap 343535

09-03-24 4

12.0

LARGE FAB 1

LARGE FABRICATION RESOURCE 1



Comment: LARGE FABRICATION RESOURCE 1

1-Weld end caps as per Dwg D3562& QSI 004. Inspect for foreign objects as per QSI 024.

A/R Aluminum Rod M110130

2-Grind end cap welds flush as per Dwg D3562

09-03-25 4

09-03-27 1
02-03-27

13.0

QC10

VISUAL INSPECTION OF GROUND WELDS



Comment: VISUAL INSPECTION OF GROUND WELDS

PD 09-03-29

14.0

QC5

INSPECT WORK TO CURRENT STEP



Comment: INSPECT WORK TO CURRENT STEP

08/03/30 (4 R/H)

15.0

HAND FINISHING1

HAND FINISHING RESOURCE #1



Comment: HAND FINISHING RESOURCE #1

Chemical Conversion Coat as per QSI 005 4.1

FL 09/03/30 (4)

16.0

POWDER COATING

POWDER COATING



Comment: POWDER COATING

Powder Coat White Gloss (Ref: 4.3.5.1) as per QSI 005 4.3

START TIME:

10:30

09/03/31

W/O:		WORK ORDER CHANGES						
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector	

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

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Job Number: 46552

Part Number: D3562042

Job Number:



Seq. #:

Machine Or Operation:

Description :

OVEN TEMPERATURE: 320°
FINISH TIME: 11:00

cmd/BK

xy
09/03/31

17.0

HAND FINISHING1

HAND FINISHING RESOURCE #1



Comment: HAND FINISHING RESOURCE #1

Wing Walk as per Dwg D3562 and QSI 005 4.4

Batch: M109917

gh

09-03-31

xy

18.0

QC3

INSPECT POWDER COAT/CHEMICAL CONVERSION



Comment: INSPECT POWDER COAT/CHEMICAL CONVERSION

Fe 09/03/31

4

19.0

PACKAGING 1

PACKAGING RESOURCE #1



Comment: PACKAGING RESOURCE #1

Identify and Stock

Location: G-A

EP 09/04/14

4

20.0

QC21

FINAL INSPECTION/W/O RELEASE



Comment: FINAL INSPECTION/W/O RELEASE

09/04/15

Job Completion



MF 09-04-14

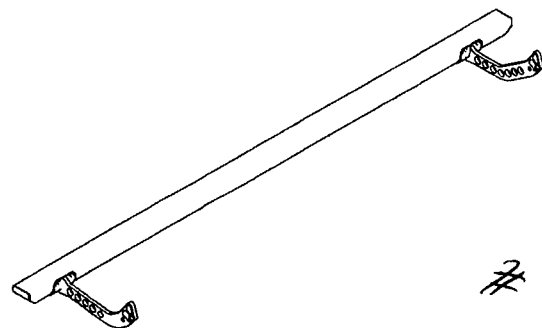
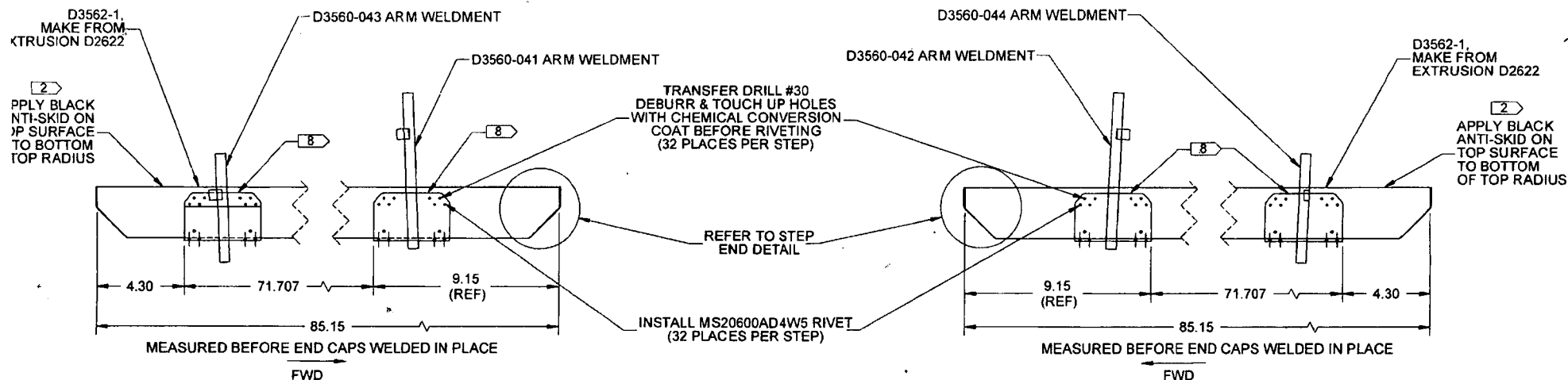
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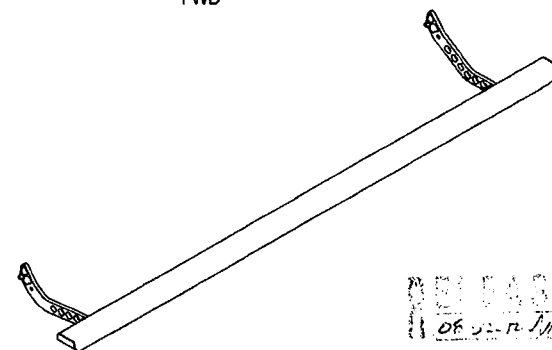
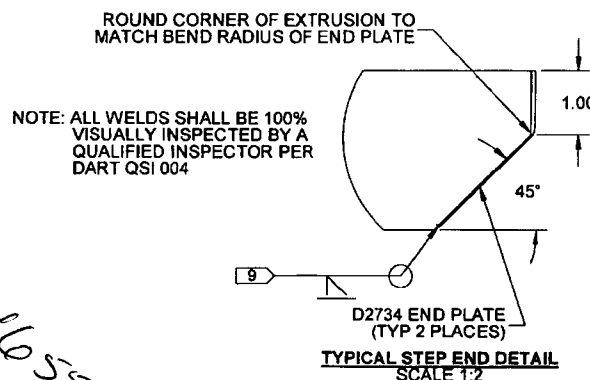
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D3562-041 LH STEP ASSEMBLY



D3562-042 RH STEP ASSEMBLY

NOTES:
MATERIAL: N/A
FINISH:
 i) CHEMICAL CONVERSION COAT STEP EXTRUSION PER DART QSI 005 4.1 BEFORE ASSEMBLY
 ii) POWDER COAT ASSEMBLY GLOSS WHITE (4.3.5.1) OR GREY SANDTEX (4.3.5.6) OR BLACK SANDTEX (4.3.5.7) OR GREEN SANDTEX (4.3.5.8) PER DART QSI 005 4.3
 iii) BLACK ANTI-SKID PAINT PER DART QSI 005 4.4
TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
UNITS: INCHES UNLESS OTHERWISE NOTED
BREAK SHARP EDGES: 0.005 TO 0.010 MAX
IDENTIFICATION: NONE
WEIGHT: 8.79 lbs
INSTALL ARM WELDMENTS WITH A LAYER OF MAGNOBOND 6398 BETWEEN THE ARM WELDMENT AND STEP EXTRUSION. FILL ANY TOOLING HOLES WITH MAGNOBOND 6398. CLEAN OFF EXCESS BEFORE POWDER COATING.
WELDING: PER DART QSI 004

QTY -041	QTY -042	P/N	DESCRIPTION
X	X	D3562-041	LH STEP ASSEMBLY
		D3562-042	RH STEP ASSEMBLY
1		D3560-041	ARM WELDMENT
	1	D3560-042	ARM WELDMENT
1		D3560-043	ARM WELDMENT
	1	D3560-044	ARM WELDMENT
32	32	MS20600AD4W5	RIVET
2	2	D2734	END PLATE

E	ADD QTY (2) TO D2734 END PLATE ON D3562-042	PH	08.01.11
D	REMOVE D2808 SPACER NOTE; REDRAWN IN SOLIDWORKS	DC	07.11.16
C	NOW MAGNOBOND, ADD D2808, REMOVE 4 RIVETS	CP	07.06.19
B	ARMS NOW RIVETED TO STEP	CP	07.01.15
A	NEW ISSUE	CP	06.09.26
REV.	DESCRIPTION	BY	DATE
DESIGN	gp		
DRAWN	RF		
CHECKED	LE		
MFG. APPR.			
APPROVED			
DE APPR.			
DATE	08.01.11		

DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWING NO. D3562	REV. E SHEET 1 OF 1
TITLE STEP ASSEMBLY	
SCALE 1:5	

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